

No. 606,913.

Patented July 5, 1898.

E. C. BOWER.

CELL CASE.

(Application filed July 12, 1897.)

(No Model.)

Fig. 1

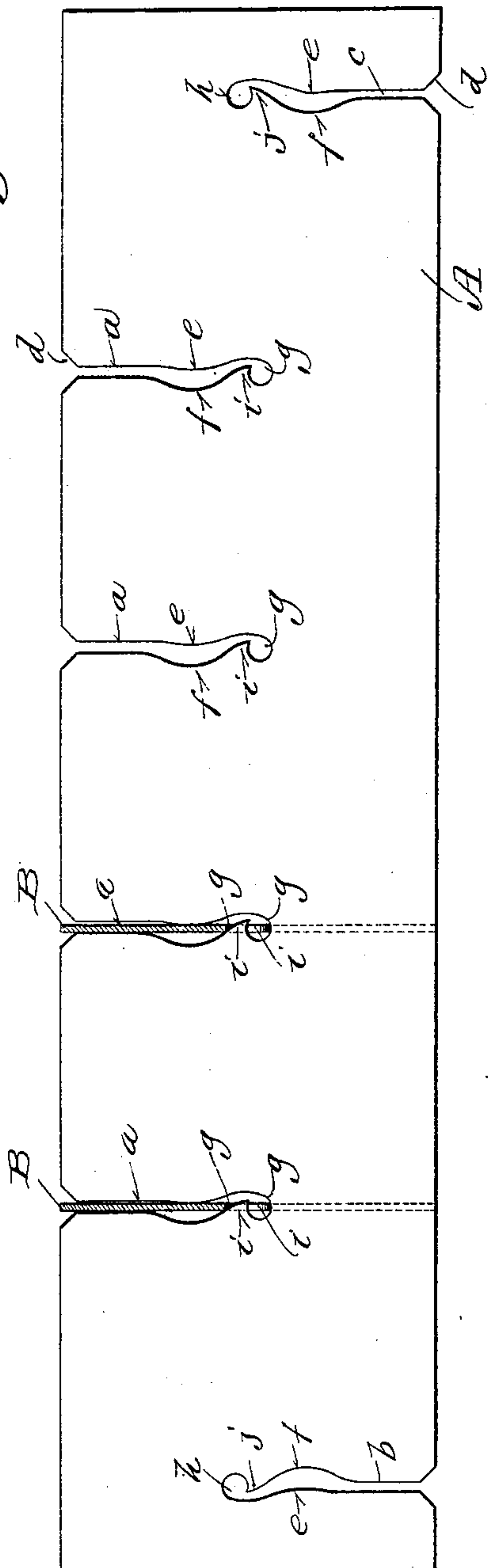
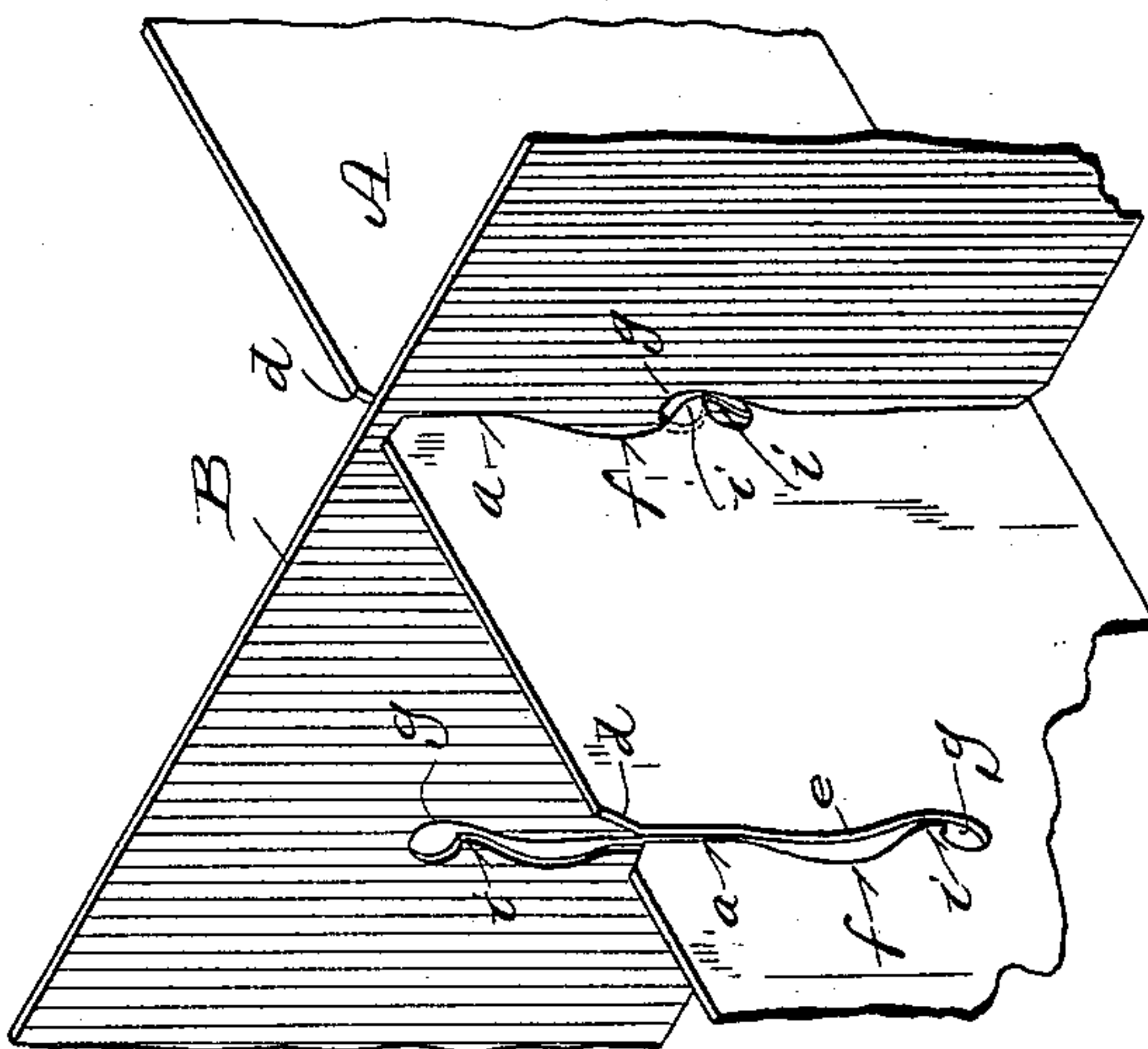


Fig. 2.



Witnesses:
Geo. W. Young,
B. C. Roloff.

Inventor:
Elijah C. Bower.

By H. G. Underwood
Attorney

UNITED STATES PATENT OFFICE.

ELIJAH C. BOWER, OF MILWAUKEE, WISCONSIN.

CELL-CASE.

SPECIFICATION forming part of Letters Patent No. 606,913, dated July 5, 1898.

Application filed July 12, 1897. Serial No. 644,261. (No model.)

To all whom it may concern:

Be it known that I, ELIJAH C. BOWER, a citizen of the United States, and a resident of Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented certain new and useful Improvements in Cell-Cases; and I do hereby declare that the following is a full, clear, and exact description thereof.

My invention relates to certain new and useful improvements in the construction of cell-cases such as are used for packing eggs and other small articles which it is desirable to keep separate from each other; and it consists in certain peculiarities of construction, as will be fully set forth hereinafter and subsequently claimed.

In the drawings, Figure 1 is a side elevation of one of the strips of which my improved case is composed, showing also in section certain of the transverse strips in position. Fig. 2 is a detail perspective view illustrating the manner in which the crossed strips are held and locked together.

My present invention is an improvement on the device patented to me July 21, 1891, and numbered 456,353, and is a simpler and stronger cell-case and one less liable to break or separate in use than a case constructed in accordance with my said prior patent.

Referring to the drawings, A B represent the strips of which my case is formed. These strips are made of strawboard or other suitable material, and each strip is formed with a series of slots *a a* in one edge, arranged at equal distances apart, and with other slots *b c* extending inward from the opposite edge of the strip, adjacent to the ends thereof. These several slots are preferably formed with parallel straight walls for a certain distance inward, the strips A being flared or notched, as shown at *d d*, at the edges and the said slots starting from the narrow part of said flaring notches, and each wall of the slot is continued on a rounded line beyond the line of the said straight portions, as shown by the convex wall *e* and concave wall *f*, the wall *e* terminating in a rounded line forming a circular opening marked *g* in the series of intermediate slots and *h* in the end slots, while the wall *f* terminates in a sharp hook or projection marked *i* in the series of intermediate slots and *j* in the described end slots,

the bases of said hooks being on the longitudinal central line of the strip. The intermediate series of circular openings *g g* are just below or beyond this longitudinal center of the strip A, measuring from the upper edge, and the circular openings *h h* near the ends of the strip are just above said center line, measuring from the lower edge, in the position of the strip A shown in Fig. 1. The transverse strips B are cut precisely the same as the strips A, but are reversed in position when the case is put together, as best shown in Fig. 2, so that when the strips B are slipped to place the solid portions of said strips beyond the slots will snugly fit between the straight walls of the slots *a* of the strips A, and the hooks or projections *i* of one series of strips will rest within the openings *g* of the other series, and the bases of the said hooks *i i* of both series will rest firmly against each other at right angles, and the rounded convex parts *e* of the slot-walls of the strips of one series will crowd against the solid part of the strips of the other series. The outer or end strips or binders are engaged together in precisely the same way, except that the transverse outer strips are entered from the opposite sides of the other strips, thereby making a lock and preventing the accidental separation of the two series of strips when the cell-case is handled, as in lifting it from a box or crate.

By this construction I do away entirely with the series of independent perforations shown in my said prior patent, hereinbefore referred to, which proved a source of weakness in handling the cell-cases, and obtain just as positive a lock as before.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a cell-case, a series of strips, each having an intermediate series of slots extending inward from one edge to a line beyond the longitudinal center of the strip, one wall of said slot projecting inward and forming a hook with its base at the said center line and said strips each having similar slots extending inward from the opposite edge adjacent to each end to a line beyond said longitudinal center on the other side thereof, substantially as set forth.

2. The herein-described cell-case, comprising a plurality of strips, each provided with a series of slots in one of its edges and a slot at each of its ends formed in its opposite edge, each slot extending to a point just beyond the longitudinal center of the strip and there terminating in an enlarged aperture, and one wall of each slot extending inwardly in a rounded convex line beyond the initial straight line of the slot-wall, and the other wall of each slot extending outwardly in a rounded concave line and thence projecting inwardly, forming a hook or projection with its base on the longitudinal central line of said strip, and the said strips being arranged in two series, disposed transversely to each other, with the hooks or projections of one series in the base-apertures of the slots of the other series, the bases of the two series of hooks or projections being in contact, at right angles to each other, substantially as set forth.

3. In a cell-case, the combination of a plurality of strips, all of exactly the same construction in all respects, said strips each having an intermediate series of slots extending inward from one longitudinal edge to a line beyond the longitudinal center of the strip, one wall of said slot projecting inward and forming a hook with its base at the said center line and said strips each having similar slots extending inward from the opposite edge adjacent to each end to a line beyond said longitudinal center on the other side thereof, the bases of the hooks formed on the walls of the said last-named end slots also extending on the longitudinal central line of said strips, in exact line with the bases of the hooks on the walls of the said intermediate series of slots, substantially as set forth.

4. In a cell-case, the combination of a plurality of strips, all of exactly the same construction in all respects, said strips each having an intermediate series of slots extending inward from one longitudinal edge to a line beyond the longitudinal center of the strip, one wall of said slot projecting inward and forming a hook with its base at the said center line and said strips each having similar slots extending inward from the opposite edge adjacent to each end to a line beyond said longitudinal center on the other side thereof, and each slot starting from a flaring notch, and with parallel straight edges to both its walls, and one of said slot-walls thence extending inwardly in a rounded convex line beyond the initial straight line of the slot-wall, and the other wall of each slot extending outwardly in a rounded concave line, and thence projecting inwardly to form the described hook, said strips being put together, in forming the case, in two series, at right angles to each other, whereby the solid portions of the strips of one series beyond the slots will snugly fit between the straight walls of the slots in the strips of the other series, and the said rounded convex parts of the slot-walls of the strips of one series will crowd against the solid parts of the strips of the other series, substantially as set forth.

In testimony that I claim the foregoing I have hereunto set my hand, at Milwaukee, in the county of Milwaukee and State of Wisconsin, in the presence of two witnesses.

ELIJAH C. BOWER.

Witnesses:

H. G. UNDERWOOD,
W. P. HAMMOND.